

Title (en)  
FILTERS FOR LIGHT METALS

Publication  
**EP 0507463 A3 19930317 (EN)**

Application  
**EP 92302203 A 19920313**

Priority  
• GB 9107223 A 19910405  
• CN 92112047 A 19920930

Abstract (en)  
[origin: EP0507463A2] Filters for filtering molten light metals comprise a reticular foam having a composition comprising graphite, wollastonite, silica and an alkali phosphate glass. The filters have a low hardness and can readily be machined accurately from large pieces of the filter material. In a preferred embodiment the exterior surfaces of the large pieces of filter are coated with a composition comprising graphite and a binder prior to firing and then machined.

IPC 1-7  
**B01D 39/20**

IPC 8 full level  
**B01D 39/20** (2006.01); **B22C 9/08** (2006.01); **C03C 14/00** (2006.01); **C04B 28/34** (2006.01); **C04B 38/00** (2006.01); **C04B 41/50** (2006.01); **C04B 41/67** (2006.01); **C22B 9/02** (2006.01); **C22B 21/06** (2006.01)

CPC (source: EP KR US)  
**B01D 39/2093** (2013.01 - EP US); **B22F 1/00** (2013.01 - KR); **C03C 14/004** (2013.01 - EP US); **C04B 28/34** (2013.01 - EP US); **C04B 28/344** (2013.01 - EP US); **C04B 28/348** (2013.01 - EP US); **C04B 38/0615** (2013.01 - EP US); **C04B 41/5092** (2013.01 - EP US); **C04B 41/67** (2013.01 - EP US); **C22B 21/066** (2013.01 - EP US); **C03C 2214/04** (2013.01 - EP US); **C03C 2214/12** (2013.01 - EP US); **C04B 2111/00793** (2013.01 - EP US)

Citation (search report)  
• [A] DE 2324513 A1 19731213 - MITSUI MINING & SMELTING CO, et al  
• [A] DE 576275 C 19330511 - STILL FA CARL  
• [A] DE 3008251 B1 19810611 - MANNESMANN AG  
• [A] EP 0159963 A2 19851030 - ALUSUISSE [CH]  
• [A] WO 8203339 A1 19821014 - FISCHER AG GEORG [CH], et al  
• [A] US 4152141 A 19790501 - STEINEGGER ALFRED [CH]  
• [A] US 4152470 A 19790501 - STEINEGGER ALFRED [CH]  
• [A] EP 0089756 A1 19830928 - CORNING GLASS WORKS [US]

Cited by  
EP3346068B1; EP2304065A4; EP2270248A3; FR2718129A1; AU658760B2; US5520823A; EP2001574A4; WO9325296A1; WO03031366A1; WO9526934A1; US10941566B2; US7138084B2; US7736429B2; US8158053B2; US7517402B2

Designated contracting state (EPC)  
AT CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)  
**EP 0507463 A2 19921007; EP 0507463 A3 19930317; EP 0507463 B1 19950524**; AT E122914 T1 19950615; BR 9201200 A 19921201; CA 2064617 A1 19921006; CN 1084897 A 19940406; DE 69202615 D1 19950629; DE 69202615 T2 19951005; ES 2072704 T3 19950716; GB 9107223 D0 19910522; IN 183024 B 19990821; KR 920019453 A 19921119; MX 9201516 A 19921001; US 5169542 A 19921208

DOCDB simple family (application)  
**EP 92302203 A 19920313**; AT 92302203 T 19920313; BR 9201200 A 19920403; CA 2064617 A 19920401; CN 92112047 A 19920930; DE 69202615 T 19920313; ES 92302203 T 19920313; GB 9107223 A 19910405; IN 149MA1992 A 19920312; KR 920005514 A 19920402; MX 9201516 A 19920402; US 85985592 A 19920330